(2) Khar land and salt water exclusion schemes in North and South Kanara Districts.

(3) Prevention from Sea Erosion of Costal towns

1237. Most of these schemes were either in the initial stage of investigations or were being taken up for investigation.

(iv) Construction of Hydro-Electric Projects.

Linganamakki Main Dam.

1238. *Sharavathi Valley Hydro-Electric Project.*—A total quantity of 2,48,600 units of 100 Cft. of excavation for foundation was done during the year and on the right bank it was 3,570 ft. The work was started during October 1959. The total volume of construction completed was 60,564 units of 100 Cft. and the quantity of mortar ground supplied was about 6,070 units. The progress of construction of Dam during the year was 65,268 units of rubble masonry in cement mortar and 12,141 units in surki mortar, forming 17·5 per cent of the total quantity of masonry to be laid for the completion of the first stage. The Core drilling along the Dam was also completed.

1239. The extent of Hiduvali lands that had to be acquired for the project was 8,902 acres. A sum of Rs. 9,59,061 was paid for acquisition of about 912 acres of various types of lands as compensation. Ninety-eight families were allotted lands for cultivation and 2,125 acres of forest land were released for allotment.

Talakalale Dam.

1240. The work of excavation for foundations of the dam was continued and 5,978 units of 100 Cft. of soils and rock were excavated making a total of 79,752 units. A quantity of 14,126 units of masonry and concrete was laid during the year bringing the total to 15,650 units. A quantity of about 94,940 units of surki mortar was grounded and supplied.

Power Channel.

1241. About 76,186 units of excavation in soils and rock for the power channel, was done during the year bringing the total to 2,25,039 units.

1242. Outlay on the works at site under various items during the year was Rs. 14,77,866 as against the estimated cost of Rs. 24,00,000. The total outlay up-to-date was Rs. 17,81,396.

1243. The total outlay incurred for the construction of temporary quarters was Rs. 6,25,120 and from the commencement Rs. 6,37,220 as against the estimated cost of Rs. 10,00,000.

1244. Orders were placed for turbines and generators for the project. Indents were placed for the supply of Power Transformers. Orders for the fabrication and erection of penstocks were placed.

1245. The modified estimate for the I Stage works of Sharavathi Valley Project for Rs. 3,965.38 lakhs including Transmission Lines and Receiving Stations was sent to the Central Water and Power Commission.

1246. *Outlay.*—The outlay on electrical works during the year was Rs. 76,36,474 as against a budget provision of Rs. 96,50,000. The total outlay incurred from the commencement to the end of the year amounted to Rs. 2,23,02,964 as against the sanctioned estimate for Rs. 835.00 lakhs.

1247. *Bhadra Hydro-Electric Project* — One set of III Stage and another of IV Stage embedded gate parts were erected for the 6 feet diameter penstock pipe and kept ready for grouting.

1248. Construction of the right and left bank generating station buildings was in progress during the year.

1249. The value of stock materials received under the foreign orders in Bhadra Hydro-Electric Stores during the year was Rs. 57,10,502.

1250. *Foreign Order Specifications.*—Specifications for 11 kV. switchgear, control panels and D. C. Boards for Bhadra Hydro-Electric project were furnished to the Stores Purchase Committee. Foreign orders were placed for circuit breakers, motor generator set, rectifier generating set, etc., control panels and 100-ton and 65-ton cranes. Foreign currency utilised during the year was Rs. 3,45,400.

1251. The outlay on the entire project was Rs. 35,18,898 as against a budget provision of Rs. 84,00,000. The total outlay incurred from the commencement to the end of the year was Rs. 96,52,794 as against a sanctioned estimate of Rs. 2,41,84,900.

1252. *Tungabhadra Hydro-Electric Project (Left Bank) Munirabad.*—Construction of the power house building was in good progress during the year.

1253. The value of stock materials received against several foreign orders and accounted in Munirabad stores was Rs. 74,53,404.

1254. Foreign orders were placed during the year for steel structurals for 110 kV. transmission lines, power line carrier equipment, 20 and 10-ton tractors, and air compressor accessories. Foreign currency utilised during the year was Rs. 11,53,800.

1255. The outlay during the year for the entire project was Rs. 78,92,504 as against a budget provision of Rs. 1,34,70,000. The total outlay incurred from the commencement to the end of the year was Rs. 1,72,10,203 as against a revised sanctioned estimate for Rs. 642.90 lakhs.

1256. *Investigation of Hydro-Electric Projects.*—Several projects were taken up for investigation consisting in field surveys, preliminary reconnaissance survey of power stations, preparation of project reports, etc., of projects namely, Barapole reinvestigation, Upper Krishna, Kalinadi, Bedthi and Aghanashini, Sharavathi Tail Race Power Development and Tungabhadra Left Bank Canal Power House.

1257. *Outlay.*—The outlay incurred during the year for various investigation projects undertaken was Rs. 1,02,448 as against a budget provision of Rs. 4.00 lakhs. The total outlay from the commencement for the investigation of projects to the end of the year under review was Rs. 1,38,374.

1258. *Total Outlay.*—The grand total outlay incurred by this project Department on various projects during the course of the year excluding the outlay on Civil Engineering works incurred by the Special Chief Engineer, Kargal, was Rs. 1,92,62,690 as against the budget provision of Rs. 4,42,70,000.

1259. *Accidents.*—There were 16 minor accidents during the year to persons engaged on construction works.

1260. *Hydro-Electric Construction Projects Board.*—The progress of work was reviewed by the Hydro-Electric

Construction Projects Board which was constituted by Government on 20th November 1959.

(v) Ports.

1261. The Mysore Ports Department was created with effect from July 1957 for the proper administration and efficient operations of various Ports in the State under an experienced Marine Officer as the head of the Department.

1262. Since the creation of the Mysore Ports Department, the total annual cargo traffic handled at the ports has increased from 1,26,974 tons in 1956-57 to 4,04,146 tons in 1959-60.

1263. Excluding Mangalore, there are 20 Ports in the State, fifteen are in the North Kanara District and 5 in the South Kanara District. Karwar is an Intermediate Port and the remaining 19 are minor ports.

1264. At the instance of the Government of India the State Government have undertaken the survey of traffic and development potentialities of the hinterland of Mangalore and Malpe ports, through the National Council of Applied Economic Research, New Delhi, at a cost of Rs. 25,000 in connection with the development of an all-weather Port with alongside berthing facilities in the region.

1265. With a view to formulating a long term policy for development of several ports in the State, the traffic survey of Karwar, Honavar and Coondapur ports at a cost of Rs. 20,000 was entrusted to the National Council of Applied Economic Research, New Delhi, to assess the traffic potential with reference to the hinterland for their intensive development.

1266. The Government of India constituted an expert Committee to advise on measures for the increased utilisation of inland water Transport including mover of bulk commodities from the hinterlands to the ports and *vice-versa*.

1267. The Port Department has undertaken the hydrographic survey of Sharavathi River from Honavar to Gersoppa to ascertain the feasibility of transporting heavy machinery required for the Sharavathi Hydro-Electric Project and a sub-division has been sanctioned for the execution of this work.